

Instruction Manual



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Index

- Indoor Air Pollution	4
- Allergies and dust mites	5
- Applications	8
- Airfree and mold	11
- Airfree Characteristics	12
- Installation	13
-Safety Instructions	15
-Operation/ Maitenance	16
- Airfree's Effectiveness Independent Tests	17
- Frequently Asked Questions	18
- Warranty	21
-Warranty Certificate	22
-Notes	23

You have just purchased an Airfree product that combines a second to none efficiency with a friendly environmental technology. Airfree's technology has been proven by independent institutions world wide as extremely effective in the elimination of airbone microorganisms, allergens and ozone. Airfree products are manufactured in a modern European factory with ISO, CE, UL, and other international certifications. Airfree's main objectives are quality, effectiveness and customer satisfaction.

Indoor Air Pollution

Our Invisible Enemies

AIRBORNE VIRUSES, BACTERIA and MOLD

Nowadays, people spend up to 90% of their time indoors either at home or work. According to the American EPA, indoor air pollution can be up to 50 times greater than outdoor pollution.

This is why indoor air treatment is so important for a healthy living. Indoor air treatment means less exposure to allergy triggering sources and airborne transmittable diseases such SARS as the flu, common colds, pneumonia, meningitis and others.

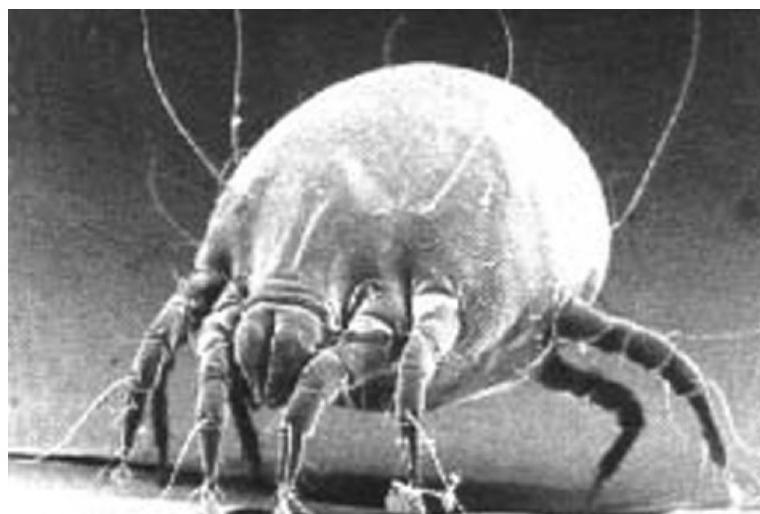
Airfree safely destroys 99.99% of all microorganisms (viruses, bacteria, fungi) that pass through its patented ceramic core. Airfree also reduces indoor toxic ozone levels.

Airfree's sterilizing flow constantly sterilizes the air, protecting the indoor environment. Airfree efficiently and silently destroys any microorganism regardless of how hazardous and lethal they might be.

Countless tests performed by independent international institutions guarantee the drastic airborne microorganism and ozone reduction.

Airfree is indispensable in the fight against airborne transmittable diseases.

Allergies and Dust Mites



The Dust Mite

Dust mites cause 70% of all respiratory allergies. The dust mite is a microscopic insect that exists in every house no matter how clean it is kept. Tests and studies confirm that more than 5000 dust mites can be found in just one gram of dust. They are everywhere: in clothes, carpets, sofas, mattresses, cushions and even in food .

Allergies and Dust Mites (continued)

After vacuuming your home (no matter how powerful the vacuum), an enormous population of dust mites remain.

The average lifespan of a dust mite is four months, producing in that period 200 times its own weight in feces. Harmful fungus contained in dust mite feces can trigger respiratory allergies when inhaled.

Young children when exposed to dust mites can develop allergic diseases. A study published by the University of Virginia concluded that children exposed to dust mites had a larger tendency to develop asthma.

Unlike pollen that provokes allergies primarily during the spring, dust mite allergy can be triggered year round. Dust mite allergies intensify during the cooler months, as people tend to spend more time indoors.

A reduction in the dust mite population is a must for every home and workplace to prevent allergy symptoms and potential allergy development in young children as seen above.

How to reduce house dust mite population?

In addition to using Airfree, the following are some preventive measures.

Cleaning

Your house needs to be cleaned once a week. Be sure to open your windows to air the house out.

Bed sheets to be washed and changed twice weekly. Expose pillows and blankets to as much sunlight as possible.

Allergies and Dust Mites (continued)

Prevention

- Install an Airfree unit in each room.
- Avoid thick carpets and rugs.
- Open windows and expose bedroom to sunlight.
- Avoid keeping books and stuffed animals in bedrooms.
- Use cotton sheets for bedding.
- Wash all clothes, bedding, and linens at temperatures above 140 degrees F(60°C).
- Replace mattresses and pillows every two years.
- Use synthetic materials for blankets, covers, and cushions.

Airfree and dust mite population reduction.

Quietly and efficiently, Airfree drastically destroys airborne microorganisms; including any type of fungi and spores, virus and bacteria.

Mold reduction on the atmosphere causes a reduction in the mold dependant dust mite population.

Airfree also destroys the harmful toxins and fungus freed by dust mite feces that trigger respiratory allergies.

Applications



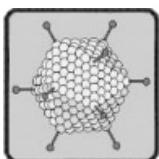
Healthy rooms with pure clean air.

Airfree's noiseless and efficient technology provides constant air cleaning and elimination of continuous growth of indoor air pollution in homes, offices, libraries, museums, public buildings, schools, kindergartens, food industries, military installations and wherever low levels of indoor air pollution is required



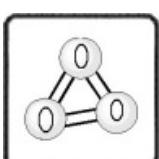
Mold / Mildew

Mold and mildew release mold spores in the air that float throughout the house potentially causing severe allergic reactions such as watery eyes, runny nose and sneezing, nasal congestion and fatigue. Those spores also start new mold colonies and expandd existing ones. Airfree destroys airborne mold and mildew spores, helping to prevent new contaminations to occur.



Viruses and Bacteria

Most viruses and bacteria are destroyed at temperatures well under 400 degrees F (200 degrees C) of Airfree's ceramic core. This includes the most lethal and small microbes including meningitis, pneumonia and scarlet fever. Airfree destroys all those airborne health- threatening oorganisms.



Ozone

Toxic gas that can damage lung tissue, cause chest pain,breathlessness, throat, and also trigger asthma. Airfree is proven to reduce indoor ozone levels.



Restaurants

Airfree offers continuous air sterilization. Airfree provides the additional protection that patrons expect. All viruses, bacteria that pass through Airfree's patented sterilizing ceramic core are destroyed. Restaurants are recommended to submit their floor plans to insure proper coverage inside their facilities.

Applications



Hotels and Retirement Homes

Most hotels keep their windows closed. These rooms are constantly subjected to new viruses, bacteria, and mold by both guests (averaging 1 unique guest every 2 days) and hotel workers. The A/C system also adds constant contamination as cooler air is pumped in through vents. Airfree quietly and efficiently destroys potential airborne microorganisms protecting people from airborne diseases and allergic reactions. The use of Airfree in guest rooms shows concern on behalf of the hotel to its guest well being. The use of Airfree can contribute to a higher occupancy rate and provide for a good line of defense in case of lawsuits. Airfree has independent test proving its efficiency.



Hospitals, Clinics and Laboratories

Airborne contamination is quite a concern for most hospitals. With Airfree in use, the hospital environment becomes safer. Airfree is indispensable in waiting rooms, infirmaries, and recovery rooms due to its efficiency in destroying airborne viruses, SARS, bacteria and fungi. Airfree also reduces ozone that can affect patients with respiratory ailments. Laboratories no longer need to stop all activities for chemical air purification, thus gaining one day of work per week.



Schools, Kindergartens

Airborne transmittable diseases are a great concern for students, parents, teachers and principals. Influenza, meningitis and rubella, and other nasty microbes flow freely in the air. The use of Airfree in classrooms demonstrates a principal's concern for their student's and staff's well being. It also reduces a school's exposure to lawsuits, like with mold-affected diseases so common throughout the United States.



Libraries and Museums

The fungi spores that become mold or mildew are always present. When the temperature and moisture in the environment are suitable for germination, the spore bursts and growth begins. This growth contaminates books, clothing, documents and works of art. Airfree destroys mold and mildew, providing for a healthier environment for users and employees.



Offices, Public Buildings,

Populated rooms, corridors and elevators offer a constant contamination risk to employees and guests. This situation is aggravated by the flow of hazardous fungi, other microbes entering through the A/C and the ozone generated by computers and photocopiers. The spread of airborne transmittable diseases can accelerate in this environment. Airfree is a powerful weapon in the reduction of airborne contamination by viruses, bacteria, fungi, ozone and a myriad of allergens.



Video, films, slides, sound and optical devices

The absence of airborne fungi and spores in rooms protected by Airfree provides the best environment to store cameras, videos, pictures, slides, negatives and any device potentially affected by fungi. Quietly and safely Airfree protects your belongings and memories.

Applications



Allergic and Asthmatic

Airfree's drastic airborne allergen reduction provides a cleaner environment for allergic people. Airborne mold, bacteria, dust mite feces skeletons, and ozone are kept to a minimal levels.



Babies

Studies show that a reduction in the dust mite exposure by young children would lessen the development of asthma.



Dust Mites

Fungus reduction in the atmosphere causes a reduction in the fungus dependant dust mite population. Airfree also destroys airborne dust mite feces and skeletons. These particles are potential triggers for allergic reactions asthma attacks.



Odors

Organic odors are drastically reduced if not eliminated by Airfree.



Kitchens and Pantries

The reduction of airborne fungi and spores in areas protected by Airfree prevents mildew on cheese, bread, fruits and other food .



Boats, Cruisers

Airfree safely eliminates fungi spores, mold, mildew, dust mites, bacteria, and strange odors. Many of which contribute to many common problems to boat owners.

Airfree and mold

Guide for Airfree Installation in Mold contaminated rooms

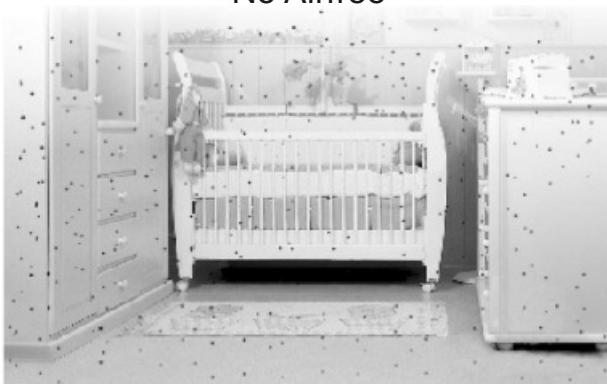
- 1- Install your Airfree unit in accordance with the user manual.
- 2- Allow your unit to run for at least one week to achieve significant airborne mold spore reduction.
- 3- Clean mold infected items and surfaces, since they are continuous source of new spores.

It is important to stress that Airfree will not destroy or remove mold from an infected item or surface. Those surfaces must be cleaned manually.

Airfree will prevent spores released by existing mold colonies from contaminating other areas, and will inhibit the growth of existing colonies.

Airbone mold spores in a regular bedroom

No Airfree



Airfree Protection



Illustration images based on Airfree Independent Test results.
Results may vary depending on the room and environment conditions.

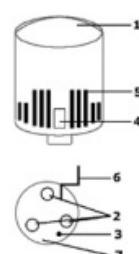
Airfree Characteristics



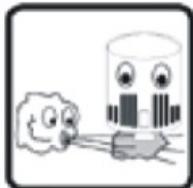
Model	Airfree 60	Babyair
Capacity	2,000 cu.ft (60 m ³)	2,000 cu.ft (60 m ³)
Air Speed	6.7"/s (17cm/s)	6.7"/s (17 cm/s)
Airflow	504cu.ft /h (14m ³ /h)	504cu.ft /h (14m ³ /h)
Ceramica Core Temp.	400-500°F (200-250°C)	400-500°F (200-250°C)
Top External Temperature	142°F (61°C)	142°F (61°C)
Electric Consumption	46W	46W
Voltage	230V or 120V	230V or 120V
Dimensions	8"x10" (20x25 cm)	8"x10" (20x25 cm)
Noise Level	Silent	Silent
Weight	4lbs (1.8 kg)	4lbs (1.8 kg)
Expected life time	5 years	5 years

AIRFREE DESCRIPTION

- 1 - Top lid
- 2 - Feet
- 3 - Fuse (only available in some European countries)
- 4 - Led
- 5 - Grooves
- 6 - Power cord
- 7 - Bottom lid



Airfree Installation and Connection



Your new Airfree unit should be placed in a well-ventilated area for the first two days. Some initial odor by the electrical components may be evident. This odor will disappear within the first two days.



Place Airfree on the floor and plug it in to nearest electric outlet.



After several minutes make sure top lid is warm.

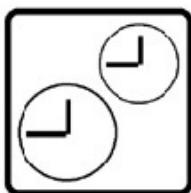


Do not install Airfree over or under furniture, this will disrupt its airflow and reduce its efficiency.



As previously stated on the Airfree characteristics page, your Airfree unit is designed for rooms up to 250-300 square feet (24m²). If placed in rooms larger than its capacity, your Airfree unit won't be as effective. For larger rooms, install more than one Airfree.

Airfree Installation and Connection



Your Airfree unit must be left on 24 hours a day, always on the same floor in the same room.



In order to avoid a rise in temperature, it is not recommended that you place Airfree unit in walk-in closets and pantries smaller than 400cubic feet (11m³).*. Airfree is not to be placed under shelves, as its air sterilizing efficiency will be reduced.

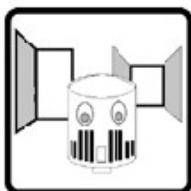
* as a reference 400cu.ft is approximately 7'x7'



Airfree can be installed in rooms with central air conditioning and heat, as well as rooms with portable heaters. However, it is recommended that you do not place your Airfree unit too close to appliances that could cause some interference in Airfree's airflow.



Do not place Airfree in the corridor to try to reach the whole house. In this case Airfree will only reduce air pollution in the corridor area.



It is not required to keep rooms fully closed. Opening and closing doors and windows will not affect Airfree's efficiency. The Airfree unit should not be placed next to doors or windows as sterilized air can exit the room.

Safety Instructions



Airfree cannot be installed on wet surfaces.

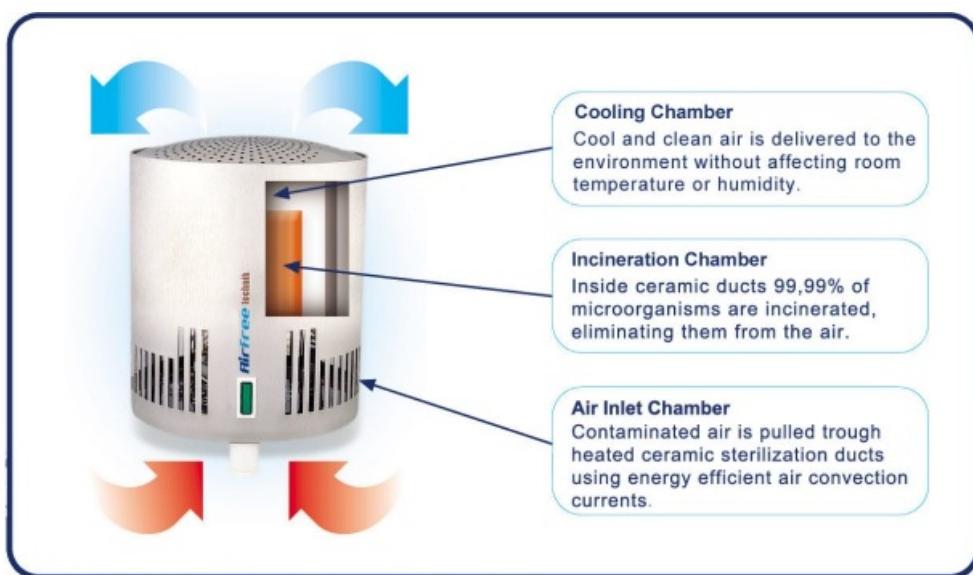


Do not attempt to open Airfree or touch internal parts. Such procedures can cause potentially hazardous shock risk. Also, like any other electrical device it shouldn't be near or into the water. Only Airfree authorized repair centers have the expertise to open and repair your Airfree unit.



If there is a temporary loss of energy Airfree will recover the lost time and indoor air will continue to remain clean after a brief period.

Operation & Maintenance



Operation

Contaminated air is sterilized inside Airfree's patented ceramic core.

Airfree's ceramic core has dozens of heated capillaries at a temperature of approximately 400°F (200°C). Airborne micro-organisms are destroyed (incinerated) when passing through Airfree's heated ceramic ducts, regardless of how hazardous or resistant to chemicals they might be.

Sterilized air creates air convection when exhausting Airfree. Such air convection is generated when sterilized air exhausted from ceramic core capillaries generates a negative pressure at said capillaries inlet. Therefore contaminated air is dragged into the ceramic core to be sterilized in a continuous cycle.

Maintenance

Airfree's extraordinary new technology uses heat to destroy airborne Microorganisms. There are no filters to replace or moving parts. Consequently, your Airfree units requires virtually no maintenance. The expected life span of your Airfree unit is five years when used in normal conditions, and as instructed by the owner's manual.

Independent Efficiency Tests

AIRFREE EFFICIENCY TESTS BY INDEPENDENT LABORATORIES, INSTITUTES AND UNIVERSITIES IN FOLLOWING COUNTRIES.

Laboratory	City/Country	Reduction of Microorganisms		
		Fungus	Bacteria	Total
Technical Micronics Control	Huntesville/ USA	84%	84%	
SGS Natec Institute	Hamburg Germany			98,5%
Univ. Complutense de Madrid / Microbiological Laboratory	Madrid/Spain	90%	62%	
Laboratory Campana / Chemical Laboratory	São Paulo/Brazil	100%	87%	
INETI / Torre do Tombo Portuguese National Archive	Lisbon/Portugal	80%	76%	
INETI / RTP Archive	Lisbon/Portugal	96%	96%	
INETI / Portuguese National Library Newspaper Room Restoration Room	Lisbon/Portugal Lisbon/Portugal	69% 64%	83% 83%	
INETI / Bank Agency	Lisbon/Portugal	87%	72%	
Univ. Nova of Lisbon	Lisbon/Portugal	77%		

Above and other tests can be seen at our website www.airfree.com

Frequently Asked Questions

1. How does Airfree work?

Airfree incinerates microorganisms at its heated capillaries. Contaminated air is dragged into Airfree's ceramic core by air convection and microorganisms are destroyed at high temperatures regardless of how resistant and dangerous they might be.

2. Are there any side effects?

No. Airfree's new technology uses heat to purify the air. No side effects, no emissions, NO IONS, nor new particles are generated. Airfree should be used in all homes and offices quietly, constantly and efficiently purifying the air.

3. What is Airfree's air cleaning capacity?

Airfree was designed for rooms 250-300 square feet (24m²), 2000 cubic feet (60m³).

4. Can I install Airfree in my walking closet?

Yes, as long as it has at least 400cu.ft (11m³). Airfree should not be placed under shelves or its efficiency will be reduced.

* as reference 400cu.ft (11m³) is approximately 7'x7'

5. Can I use Airfree in air conditioned rooms?

Yes.

6. How do I know if Airfree is no longer working?

Check the top lid and if warm Airfree is working.

Frequently Asked Questions

7. Can I place Airfree at the corridor to reach the whole house?

No. Airfree will just reduce air pollution in the corridor's area.

8. Can I place Airfree in a closed room?

Yes. Please remember such a room must have at least 400cu.ft (11m³)*.

* as a reference 400cu.ft is approximately 7'x7'

9. Is it necessary to keep doors and windows closed?

No

10. Does Airfree eliminate bacteria and viruses?

Yes. Unlike the air filters in the market Airfree is more efficient with smallest microorganisms as they are easily carried by Airfree's airflow into its heated ceramic core.

11. Can I change Airfree from one room to another?

No. Airfree must always be plugged in the same room 24 hours a day. Airfree's patented technology works gradually and cannot have its cycle interrupted. Moving it from one room to another will interrupt the cycle.

12. Should I turn off Airfree when I leave house?

No. Airfree must always be on.

13. What happens if Airfree is disconnected or there was a black out?

Airfree will take approximately the same time to recover the previous reduced contamination level.

14. Does CADR measure the effectiveness of the Airfree?

Not at all. CADR is not designed to test the Airfree technology.

Airfree requires low air-speed flow when compared with other air purifiers/ air cleaners in the market that rely on a high-speed airflow. Airfree new technology is 99.99% efficient and most important: silent. Airfree destroys (not trap or attract to other surface) any microorganism regardless of how small they might be. 99.99% of all organic particles (virus, bacteria, mold, spores, allergens, microorganisms) are fully destroyed when passing through the Airfree U.S. patented ceramic core. Airfree efficiency was proven by several independent Laboratories and Universities. Airfree independent tests were made in regular day to day use ambiances. In those tested rooms an average 80% reduction in mold and airborne microorganisms was achieved.

Frequently Asked Questions

15. How does Airfree destroy dust mites?

Mold reduction in the atmosphere causes a reduction in the mold dependant dust mite population. Airfree also destroys the harmful toxins and fungus freed by dust mite feces as well as airborne dust mites skeletons that trigger respiratory allergies.

16. How does Airfree eliminate fungi?

As mentioned before, Airfree eliminates airborne microorganisms included fungi and spores. By eliminating spores no new colonies will be formed, meaning less future fungi and spores in the air. Gradually those fungus colonies will be kept to a minimum.

17. How does Airfree destroy viruses?

Those microscopic microorganisms are easily eliminated inside Airfree's ceramic core capillaries. Inside temperature of Airfree capillaries is triple the temperature required to incinerate them. Airfree is your largest ally in respiratory disease prevention.

18. Does Airfree reduce tobacco smell?

Yes, Airfree reduces any kind of organic smell in the ambience including tobacco.

19. Does Airfree release any gas or chemical product?

No. Airfree's sterilization process is natural. Please check our website for conclusive tests regarding particles and O3.

20. Does Airfree heat up a room?

No. Airfree does not increase room temperature. To have an idea 2 Airfrees plugged in the same room will contribute as much heat as the presence of one adult in that same room.

21. Does Airfree provoke any change in room's the relative humidity?

No.

22. Does Airfree need filter replacement?

No. Airfree's technology uses heat and not filters nor dangerous emissions.

23. Does Airfree consume a lot of energy?

No. Airfree's consumption is just 46 Watts, equivalent to a small light bulb.

24. Can Airfree heated top lid burn children?

No. Just the heated top lid's middle center is around 142°F (61°C), which is not enough to burn a child's

LIMITED WARRANTY

This product is warranted by AIRFREE PRODUCTS, to the original purchaser to be free from defects in material and workmanship under proper use for a period of two years from date of purchase. During this period, and upon proof of purchase and date of purchase, this product will be repaired or replaced with same or similar model without charges for parts or labor (except for a \$10 charge for insurance and handling) at distributor address. To be eligible for the warranty, please complete your warranty card at the time of purchase and mail it to the distributor. To obtain warranty service, please send the product sales receipt or proof of purchase, and a check or money order for \$10 payable to the distributor. This warranty does not apply to a product that has been misused, abused, or altered without limiting the aforementioned, bending or dropping the unit, defects in the electrical installation or fluctuating power levels are presumed to be defects resulting from misuse or abuse.

AIRFREE PRODUCTS and its affiliates or wholesalers do not make any specific claim as to medicinal uses of this product nor does the manufacturer warrant that the equipment prevents some kind of diseases.

NEITHER THIS WARRANTY NOR ANY WARRANTY, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OR MERCHANTABILITY, SHALL EXTEND BEYOND THE WARRANTY PERIOD. NO RESPONSIBILITY IS ASSUMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES, SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS; SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

AIRFREE PRODUCTS HEREBY SPECIFICALLY DISCLAIMS ALL EXPRESSED WARRANTIES NOT OTHERWISE SETFORTH HEREIN AND ANY IMPLIED WARRANTIES OR MERCHANTABILITY OR IMPLIED WARRANTIES FOR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF. This warranty gives you specific legal rights; you may have other rights, which vary from state to state.

LIMITED WARRANTY

WARRANTY CERTIFICATE

Airfree Model: _____ Serial Number: _____

Client Name: _____

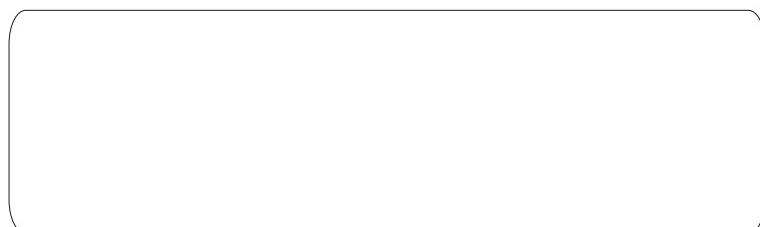
Address: _____

Telephone:(_____) _____

Purchase Date: ____ / ____ / ____

Store Name: _____

Invoice Number: _____



In order to obtain full warranty terms and conditions as stated above please fill in and return Warranty Certificate to Authorized Airfree distributor.

NOTES



www.airfree.com